

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA4546SW-D

*This Certificate issued to* RAM Aircraft, Limited Partnership  
7505 Karl May Drive  
Waco, TX 76708

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

*Original Product Type Certificate Number :* A7CE

*Make :* Cessna

*Model :* 414A

*Description of Type Design Change:*

Installation of Teledyne Continental TSIO-520-NB engine modified per Supplemental Type Certificate SE4327SW-D and installation of Hartzell PHC-C3YF-2UF/FC7663D-2Q, or PHC-C3YF-2UF/FC7663DB-2Q propellers or McCauley 3AF32C93/82NC-5.5 to -7.0 or 3AF32C505/82NEA-5.5 to -7.0 propellers and an increased Maximum Takeoff Weight to 6900 pounds, in accordance with RAM drawing No. 1016, Rev. O dated 12/31/92 or later FAA approved revisions.

*Limitations and Conditions:*

(See continuation sheet 3 of 3)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application :* August 14, 1981

*Date of issuance :* November 16, 1981

*Date reissued :* 10/8/01; 9/20/02; 2/28/03; 5/29/08;  
8/27/08

*Date amended :* 12/30/86, 3/26/90, 3/19/93 Revision 3

*By direction of the Administrator*



ORIGINAL SIGNED BY TERRY BOWDEN

(Signature)

Terry L. Bowden  
DAS administrator DAS-700100-SW  
RAM Aircraft LP Waco, Texas

(Title)

United States Of America  
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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SA4546SW-D

Date of Issuance: November 16, 1981

Amended Date: March 19, 1993

Reissuance Date: August 27, 2008

*Limitations and Conditions* (Continued):

FAA Approved Flight Manual Supplement dated November 16, 1981, or September 24, 1986, is required. FAA Approved Flight Manual Supplement dated March 26, 1990, is required when the maximum takeoff weight is increased to 6900 pounds.

Compatibility of this modification with STC SA4956NM has been established only under the provisions specified by RAM Drawing No. 1586, dated December 28, 1992 or later FAA approved revision and the following Flight Manual Supplements are required:

1. Cessna model 414A aircraft modified per STC SA4546SW-D and STC SA4956NM require FAA approved RAM Flight Manual Supplement, FM1033 dated March 18, 1993, or later FAA approved revision.
2. Cessna model 414A aircraft modified per STC SA4546SW-D, STC SA8125SW-D, and STC SA4956NM require FAA approved RAM Flight Manual Supplement, FM1034 dated March 18, 1993, or later FAA approved revision.
3. Cessna model 414A aircraft modified per STC SA4546SW-D, STC SA4943SW-D, and STC SA4956NM require FAA approved RAM Flight Manual Supplement, FM1035 dated March 18, 1993, or later FAA approved revision.
4. Cessna model 414A aircraft modified per STC SA4546SW-D, STC SA4943SW-D, STC SA8125SW-D, and STC SA4956NM require FAA approved RAM Flight Manual Supplement, FM1036 dated March 18, 1993, or later FAA approved revision.

Compatibility of this design change with previously approved modifications must be determined by the installer. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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